

What is claimed is:

1. A device for opening a door, the device comprising:

a receptacle structure, the receptacle structure coupled to the door, the receptacle structure having a top surface and an angled guiding surface, the top surface forming an angled protrusion, the receptacle structure having a receptacle, the receptacle formed between the top surface and the angled guiding surface;

a latching rod;

a sliding assembly coupled to latching rod;

wherein movement of the latching rod causes the latching rod to contact the angled protrusion; and

wherein the contact of the latching rod with the angled protrusion of the receptacle structure causes the rod to push the receptacle structure and the door, and causes the latching rod to navigate across the angled guiding surface of the receptacle structure.

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2. The device of claim 1 wherein the angled protrusion forms an angle of approximately 30 degrees with a vertical axis.

3. The device of claim 1 wherein the angled guiding surface forms an angle of approximately 57 degrees with a vertical axis.

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4. The device of claim 1 wherein the door is moved to a partially open position.

5. A receptacle structure, the receptacle structure coupled to the door, the receptacle comprising:

a top surface and an angled guiding surface, the top surface forming an angled protrusion, the receptacle structure having a receptacle, the receptacle formed between the top surface and the angled guiding surface; and

wherein a latching rod is positioned within the receptacle, and the movement of the latching rod causes the latching rod to contact the angled protrusion, and, the contact of the latching rod with the angled protrusion of the receptacle structure causes the rod to push the receptacle structure and the door, and causes the latching rod to navigate across the angled guiding surface of the receptacle structure.

6. The device of claim 5 wherein the angled protrusion forms an angle of approximately 30 degrees with a vertical axis.

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7. The device of claim 5 wherein the angled guiding surface forms an angle of approximately 57 degrees with a vertical axis.

8. A method for opening a door comprising:

positioning a latching rod within the receptacle;

moving the latching rod in an upward direction;

causing the latching rod to contact an angled protrusion;

causing the rod to push the receptacle structure and the door; and

causing the latching rod to navigate across the angled guiding surface of the receptacle structure.

9. A device for opening a door comprising:

- 5 means for positioning a latching rod within the receptacle;
means for moving the latching rod in an upward direction;
means for causing the latching rod to contact an angled protrusion;
means for causing the rod to push the receptacle structure and the door; and
means for causing the latching rod to navigate across the angled guiding
10 surface of the receptacle structure.

10. A storage device for comprising:

- a door;
a receptacle structure, the receptacle structure coupled to the door, the
15 receptacle structure having a top surface and an angled guiding surface, the top
surface forming an angled protrusion, the receptacle structure having a receptacle, the
receptacle formed between the top surface and the angled guiding surface;
a latching rod;
a sliding assembly coupled to latching rod;
20 wherein movement of the latching rod causes the latching rod to contact the
angled protrusion; and

wherein the contact of the latching rod with the angled protrusion of the
receptacle structure causes the rod to push the receptacle structure and the door, and

causes the latching rod to navigate across the angled guiding surface of the receptacle structure.

11. The storage device of claim 10 wherein the angled protrusion forms an
5 angle of approximately 30 degrees with a vertical axis.

12. The storage device of claim 10 wherein the angled guiding surface
forms an angle of approximately 57 degrees with a vertical axis.

10 13. The storage device of claim 10 wherein the door is moved to a partially
open position.

14. The storage device of claim 10 wherein the latching rod is coupled to a
sliding assembly and the sliding assembly is coupled to a foot pedal.

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